

CLAIMS

1. Fiber-free moldings containing binders and fillers, characterized in that the binders are selected from the group of thermosets reacting out by addition of hardeners which consists of epoxides, polyisocyanates and furane-resin-free phenolic resins and in that solid mixtures of inorganic, high-temperature-resistant fillers and heat-activatable swelling agents are present as fillers.
2. Fiber-free moldings as claimed in claim 1, characterized in that adhesives, micropore-forming high-temperature-resistant fillers and grinding aids and/or anticaking agents are additionally present as fillers.
3. Fibre-free moldings as claimed in claims 1 and 2, characterized in that an aqueous suspension of the fillers has a pH of or below 7.5.
4. Fiber-free moldings as claimed in claims 1 to 3, characterized in that the filler is a solid mixture consisting of
- 20 to 90% by weight of inorganic high-temperature-resistant fillers,
1 to 30% by weight of heat-activatable swelling agents,
0.1 to 35% by weight of adhesives,
2 to 40% by weight of micropore-forming high-temperature-resistant fillers and
0.01 to 10% by weight of grinding aids and/or anticaking agents,
with the proviso that the quantities add up to 100% by weight.
5. Fiber-free moldings as claimed in claims 1 to 4, characterized in that they contain hardener as another component.
6. Fiber-free moldings as claimed in claims 1 to 5, characterized in that they contain emulsifiers and blowing agents as further components.
7. Fiber-free moldings as claimed in claims 1 to 6, characterized in that they are obtained by reaction of
10 to 79.7% by weight of binder,
0.1 to 20% by weight of hardeners,
0.01 to 5% by weight of emulsifiers,

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0.1 to 10% by weight of blowing agents,
20 to 70% by weight of fillers,
with the proviso that the quantities add up to 100% by weight.

8. Fiber-free moldings as claimed in claims 1 to 7, characterized in that
5 they contain furane-resin-free phenolic resins as binders.

9. Fiber-free moldings as claimed in claims 1 to 8, characterized in that
they contain furane-resin-free phenol resol resins as binders.

10. Fiber-free moldings as claimed in claims 1 to 9, characterized in that
they have a density of 100 to 300 kg/m³.

10 11. The use of the fibre-free moldings claimed in claims 1 to 10 for the
production of fire-retardant moldings.

12. The use of the fibre-free moldings claimed in claims 1 to 10 for the
production of insulating moldings.

15 13. The use of the fibre-free moldings claimed in claims 1 to 10 for the
production of composite materials.

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